



Using the GlassFish ESB Installation GUI



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Contents

- Using the GlassFish ESB Installation GUI 5**
- Overview of Installation5
- Installing the JDK Software and Setting JAVA_HOME6
 - ▼ To Install the JDK Software and Set JAVA_HOME on a UNIX System6
 - ▼ To Install the JDK Software and Set JAVA_HOME on a Windows System7
- Installing GlassFish ESB Using the GlassFish ESB Installer8
 - ▼ To Install GlassFish ESB Components Using the GlassFish ESB Installer8
- Starting GlassFish ESB 11

Using the GlassFish ESB Installation GUI

This topic provides instructions to help you successfully install GlassFish ESB using a graphical user interface (GUI). If you have any questions or problems, go to the GlassFish ESB web site at <http://www.glassfish-esb.org>.

To access all the GlassFish ESB documentation in HTML format, go to the GlassFish ESB web site at <http://wiki.open-esb.java.net/Wiki.jsp?page=GlassFishESBDocs>.

Before beginning the installation, read:

- *[Planning for GlassFish ESB Installation](#)*

What You Need to Know

- *[“Overview of Installation” on page 5](#)*

What You Need to Do

- *[“Installing the JDK Software and Setting JAVA_HOME” on page 6](#)*
- *[“Installing GlassFish ESB Using the GlassFish ESB Installer” on page 8](#)*
- *[“Starting GlassFish ESB” on page 11](#)*

Overview of Installation

Before beginning the installation, read *[Planning for GlassFish ESB Installation](#)*, which contains important information such as supported platforms, operating system limitations, parameter definitions, and so on. This information is necessary for you to complete a successful installation of GlassFish ESB.

Complete Graphical User Interface Installation

The following software is installed:

- NetBeans™ IDE 6.5 ML
- GlassFish v2.1

- Open ESB core components
- Java Business Integration (JBI) service engines
- Java Business Integration (JBI) binding components
- Java Business Integration (JBI) component tooling
- Sun Uninstallation software

Note – IDE is an acronym for an integrated development environment. It consists of a number of components, such as a compiler, source code editor, build tools, debugger, browser, object inspector, class hierarchy diagram, and so on. These components can be used when performing object-oriented software development. The integrated tools can also be used to build a graphical user interface (GUI).

Important Installation Notes

- GlassFish ESB does not support spaces in the installation directory path.
- You must have the JDK™ (Java Development Kit) software installed and JAVA_HOME set prior to installing GlassFish ESB or the Installer will halt the installation. See “[Installing the JDK Software and Setting JAVA_HOME](#)” on page 6 for details.

Installing the JDK Software and Setting JAVA_HOME

If you do not already have the JDK software installed or if JAVA_HOME is not set, the GlassFish ESB installation will not be successful. The following tasks provide the information you need to install the JDK software and set JAVA_HOME on UNIX or Windows systems.

To find out which JDK versions are supported for the platform you are using, see “[JDK and JAVA_HOME](#)” in *Planning for GlassFish ESB Installation*.



Caution – The GlassFish ESB Installer does not support JDK release 1.6.0_04 in the 64-bit version on the Solaris SPARC or AMD 64-bit environments.

▼ To Install the JDK Software and Set JAVA_HOME on a UNIX System

1 Install the JDK software.

- a. Go to <http://java.sun.com/javase/downloads/index.jsp>.

b. Select the appropriate JDK version and click Download.

The JDK software is installed on your computer, for example, at `/usr/jdk/jdk1.6.0_02`. You can change this location.

2 Set JAVA_HOME.**■ Korn and bash shells:**

```
export JAVA_HOME=jdk-install-dir
```

```
export PATH=$JAVA_HOME/bin:$PATH
```

■ Bourne shell:

```
JAVA_HOME=jdk-install-dir
```

```
export JAVA_HOME
```

```
PATH=$JAVA_HOME/bin:$PATH
```

```
export PATH
```

■ C shell:

```
setenv JAVA_HOME jdk-install-dir
```

```
setenv PATH $JAVA_HOME/bin:$PATH
```

```
export PATH=$JAVA_HOME/bin:$PATH
```

3 Change the permissions to enable you to run the GlassFish ESB Installer.

```
chmod 755 JavaCAPS.bin
```

▼ To Install the JDK Software and Set JAVA_HOME on a Windows System

1 Install the JDK software.

a. Go to <http://java.sun.com/javase/downloads/index.jsp>.

b. Select the appropriate JDK software and click Download.

The JDK software is installed on your computer, for example, at `C:\Program Files\Java\jdk1.6.0_02`. You can move the JDK software to another location if desired.

- 2 To set JAVA_HOME:
 - a. Right click My Computer and select Properties.
 - b. On the Advanced tab, select Environment Variables, and then edit JAVA_HOME to point to where the JDK software is located, for example, C:\Program Files\Java\jdk1.6.0_02.

Installing GlassFish ESB Using the GlassFish ESB Installer

Before installing GlassFish ESB, review the information under “[Overview of Installation](#)” on [page 5](#), which explains what is installed. Although you can change the default installation values, accepting most of them is a good practice, especially the port numbers.



Caution – GlassFish ESB does not support spaces in the installation directory path.

▼ To Install GlassFish ESB Components Using the GlassFish ESB Installer

Before You Begin

When installing GlassFish ESB on UNIX systems, such as Solaris machines, you need to set the DISPLAY variable to install in GUI mode. How you do this depends on how you connect to your system.

- If you receive the error message “No X11 DISPLAY variable was set, but this program performed an operation which requires it” and you use the SSH command to connect to your system from another UNIX machine, you need to set the DISPLAY variable.
 - C shell with localhost as the host name

```
setenv DISPLAY localhost:0.0
```
 - Korn shell with localhost as the host name

```
DISPLAY localhost:0.0
export DISPLAY
```
- If you use X Windows software, such as Exceed, the DISPLAY variable is set for you automatically.

Do not use telnet if you install on a Windows system.

- 1 Download the installation executable file for your platform from <https://open-esb.dev.java.net/Downloads.html>.
- 2 Extract the installer file for your platform to a temporary directory.

3 Exit from all programs prior to beginning the installation.

You can cancel the installation at any time during the process.

4 To start the installation, initiate the appropriate executable file:

- For Linux or Solaris, change the execution mode with the command `chmod a+x [installer_file].sh`, then start the installation with the command `./[installer_file].sh`.
- For Macintosh, place the `[installer_file].tgz` under `$HOME/Desktop`, double-click the `[installer_file].tgz` from the Desktop, and double-click the extracted file `[installer_file].command` from the Desktop.
- For Windows, double-click the file `[installer_file].exe`

5 When the GlassFish ESB Installer wizard appears, click Next on the Introduction page to begin the installation.

Tip – Use the Next and Previous buttons to navigate forward and backward in the installation.

6 On the License Agreement page, read the license agreement, Select I Accept the Terms of the License Agreement, and then click Next.**7 On the NetBeans IDE Installation window, do the following:**

a. **Verify or modify the location for the NetBeans IDE.**

b. **Verify or modify the location of the associated Sun JDK.**

NetBeans and GlassFish require the Sun JDK for installation. For more information, see [“Installing the JDK Software and Setting JAVA_HOME” on page 6](#).

c. **Click Next.**

8 On the GlassFish Installation window, do the following:

a. **Verify or modify the location for GlassFish.**

b. **Verify or modify the location of the associated Sun JDK.**

c. **If you have no port conflict, accept the default server properties.**

d. **Click Next.**

The default server properties are described below:

Setting	Description	Default
Admin user name	The name you use when you log in as administrator.	admin
Admin password	The password you use when you log in as administrator.	adminadmin
HTTP port number	The port on which GlassFish listens for HTTP requests for web applications that you deploy.	8080
Secure HTTPS port number	The port on which GlassFish listens for HTTPS requests for web applications that you deploy.	8181
Admin port number	The port on which GlassFish listens for administrative HTTP requests.	4848



Caution – If you select a Java Runtime Environment (JRE™) instead of a Sun JDK, you cannot install or configure GlassFish.

- 9 When the Summary page appears, verify each component of the installation and then click Install. If you need to make changes, click Previous to return to a previous screen.**

Note – If a firewall blocks any of the components from installing, remove the block and continue installing the component. The installation process can take several minutes, depending on the speed of your system.

- 10 When the Registration Screen appears, you can choose any of the following:**

- Open the registration page in a browser when you click Finish.
The Registration form appears, requesting general information, such as name, email address, and so on. It requires that you set up a password for your account. This page also allows you to log in with your existing Sun Online Account email address and password.

Note – You must have a Sun Online account set up before you can register GlassFish ESB and receive the benefits of registration.

- Skip registration now and register later (deselect the open registration page option before clicking Finish).

When you register, the following benefits become available to you:

- Notification of new versions, patches, and updates
- Special offers on Sun developer products, services, and training
- Ability to track and manage your registered products on the Sun Inventory site

11 Click Finish.

GlassFish ESB is configured for your system. For additional details about the installation, see the installation logs. Use the NetBeans Plugin Manager to change installed components or add NetBeans plugins.

Starting GlassFish ESB

To start NetBeans and the GlassFish server after the initial installation, navigate to the GlassFish ESB install directory or to the directory where the component is installed that you want to start. Run the appropriate command.

Component	From GlassFish ESB Installation Directory
NetBeans IDE	<p>Windows GUI: Double-click the NetBeans desktop icon, select NetBeans from the Start menu, or run <i>install-directory\start_netbeans.bat</i></p> <p>Mac OSX GUI: Select the NetBeans icon in the Dock or double-click <i>NetBeans.app</i> in the GlassFish ESB home directory</p> <p>UNIX: Run the executable file in <i>install-directory/netbeans/bin</i></p>
GlassFish Server	<p>Windows GUI:<i>install-directory\start_glassfish_domain_name.bat</i></p> <p>Mac OSX GUI:<i>install-directory\start_glassfish_domain_name</i></p> <p>UNIX:Run <code>asadmin start-domain</code> from <i>install-directory/glassfish/bin</i></p> <p>Note – You can also start the GlassFish server from the Services tab on the NetBeans IDE.</p>

